

CLAIMS

What is claimed is:

1. A computer, including a casing forming an outer appearance and having a main board attaching surface to which a main board is attached, comprising:
 - a main board supporting unit provided on the main board attaching surface to support the main board;
 - a holder having a lock, slidably combined to the main board attaching surface, and preventing the main board from moving; and
 - a guide formed on the main board attaching surface at a position spaced from the main board to guide the holder, the lock being locked to the guide.
2. The computer according to claim 1, wherein, the lock is plural in number and the holder comprises:
 - a main body having the locks respectively formed in opposite sides thereof;
 - a pair of first grips upwardly extended from each lock and forcing the pair of locks to move toward and away from each other;
 - a holding part provided at an end of the main body between the pair of first grips to hold one edge of the main board;
 - a second grip protruding from an upper surface of the main body at a position opposite to the holding part and pushing the main body to slide; and
 - an elongated guide hole formed on the main body between the holding part and the second grip to slidably guide the holder.
3. The computer according to claim 2, wherein the guide comprises:
 - a pair of latches being apart from each other, which correspond to the width of the holder and to which the locks of the holder are locked; and
 - a guiding projection protruding from the main board attaching surface between the pair of latches and which is inserted into the elongated guide hole of the holder to slidably guide the holder .

4. The computer according to claim 3, wherein each latch is formed by bending the main board attaching surface upwardly to accommodate the edge of the main body, and the pairs of latches are plurally arranged at intervals along a lengthwise direction of the holder.

5. The computer according to claim 4, wherein the guiding projection comprises an extension protruding from the main board attaching surface, and an insert extended from the extension, which has a larger diameter than that of the extension, and

the elongated guide hole includes an insertion section having a larger width than the diameter of the insert, and a moving section communicated with the insertion section and having a width smaller than that of the insert.

6. The computer according to claim 1, further comprising a combining unit to attach the main board to the main board attaching surface, wherein the combining unit includes:

at least one boss hole formed on the main board; and

at least one boss protruding from the main board attaching surface and inserted into the boss hole.

7. The computer according to claim 6, wherein:

the boss includes:

a column protruding from the main board attaching surface,

a head having a larger diameter than that of the column, and

a recession circumferentially formed between the column and the head, and

the boss hole includes:

a broad section having a larger width than the diameter of the head of the boss,
and

a narrow section, having a smaller width than the diameter of the broad section,
which communicates with the broad section.

8. The computer according to claim 1, wherein the holder comprises a main body having the locks respectively formed in opposite sides thereof.

9. The computer according to claim 8, further comprising a pair of first grips upwardly extended from each lock, which allows the pair of locks to move toward and away from each other.

10. The computer according to claim 9, further comprising a holding part provided at an end of the main body between the pair of first grips to hold one edge of the main board.

11. The computer according to claim 10, further comprising a second grip, which protrudes from an upper surface of the main body at a position which is opposite to the holding part, pushing the main body to slide.

12. The computer according to claim 2, wherein the guide comprises a pair of latches, positioned apart from each other, which correspond to the width of the holder and to which the locks of the holder are locked.

13. The computer according to claim 4, wherein the guiding projection comprises an extension protruding from the main board attaching surface, and an insert extended from the extension and having a diameter larger than that of the extension.

14. The computer according to claim 6, wherein the boss comprises:
a column protruding from the main board attaching surface;
a head having a larger diameter than that of the column; and
a recession circumferentially formed between the column and the head.

15. The computer according to claim 6 wherein the boss hole comprises:
a broad section having a width larger than the diameter of the head of the boss; and
a narrow section, having a width smaller than the diameter of the broad section, communicating with the broad section.

16. A computer casing, having a main board attaching surface to which a main board is attached by a user, comprising:

a main board supporting unit provided on the main board attaching surface to support the main board in an initial position and in a holding position, which is achieved when the main board is slid along the main board attaching surface from the initial position;

a holder having a lock, to be slidably combined to the main board attaching surface by the user, to thereby prevent the main board from becoming unintentionally detached from the holding position; and

a guide, formed on the main board attaching surface at a position which is spaced from the main board, to guide the holder, until the lock is locked to the guide.

17. The computer according to claim 16, wherein the lock is plural in number and the holder comprises a main body having the locks respectively formed in opposite sides thereof.

18. The computer according to claim 17, further comprising a pair of first grips upwardly extended from each lock, which forces the pair of locks to move toward and away from each other.

19. The computer according to claim 18, further comprising a holding part provided at an end of the main body between the pair of first grips to hold one edge of the main board.

20. The computer according to claim 19, further comprising a second grip, which protrudes from an upper surface of the main body at a position which is opposite to the holding part, pushing the main body to slide.

21. The computer according to claim 20, further comprising an elongated guide hole formed on the main body between the holding part and the second first grip.

22. The computer according to claim 21, wherein the guide comprises a pair of latches, positioned apart from each other, which correspond to the width of the holder and to which the locks of the holder are locked

23. The computer according to claim 22, wherein the guide further comprises a guiding projection protruding from the main board attaching surface between the pair of latches and inserted into the elongated guide hole of the holder to slidably guide the holder.

24. The computer according to claim 23, wherein each of the latches is formed by bending the main board attaching surface upwardly to accommodate the edge of the main body, and the pairs of latches are arranged at intervals along a lengthwise direction of the holder.

25. The computer according to claim 24, wherein the guiding projection comprises an extension protruding from the main board attaching surface, and an insert extended from the extension and having a diameter larger than that of the extension.

26. The computer according to claim 25, wherein the elongated guide hole includes an insertion section having a larger width than the diameter of the insert, and a moving section which communicates with the insertion section and has a smaller width than that of the insert.

27. The computer according to claim 16, further comprising a combining unit to attach the main board to the main board attaching surface, wherein the combining unit includes:
at least one boss hole formed on the main board; and
at least one boss protruding from the main board attaching surface and inserted into the boss hole.

28. The computer according to claim 24, wherein the boss comprises:
a column protruding from the main board attaching surface;
a head having a larger diameter than that of the column; and
a recession circumferentially formed between the column and the head.

29. The computer according to claim 27, wherein the boss hole comprises:
a broad section having a width larger than the diameter of the head of the boss; and
a narrow section, having a width smaller than the diameter of the broad section, communicating with the broad section.

30. A method of attaching a main board onto a main board attaching surface of a computer;
placing the main board on the main board attaching surface in an initial position;
sliding the main board from the initial position to a holding position; and
locking the main board in place.